

## Part-5: Refine error diagnosis

$\mathbf{Q} = \{\text{error\_rcv}, \text{applicable\_rescue}, \text{reset\_module\_data}\}$

$\mathbf{q_0} : \text{error\_rcv}$

$\mathbf{\Sigma 1} = \{\text{check\_error}, \text{apply\_protocol\_rescues}, \text{reset\_to\_stable}\}$

$\mathbf{\Sigma 2} = \{ \}$

$\mathbf{V} = \{\text{err\_protocol\_def} : \text{Boolean}\}$

$\mathbf{\Lambda} = \{$

$\quad \rightarrow \text{error\_rcv}$

$\text{error\_rcv} \xrightarrow{\text{check\_error} [\text{err\_protocol\_def} == \text{true}]} \text{applicable\_rescue}$

$\text{error\_rcv} \xrightarrow{\text{check\_error} [\text{err\_protocol\_def} == \text{false}]} \text{reset\_module\_data}$

$\text{applicable\_rescue} \xrightarrow{\text{apply\_protocol\_rescues}} \text{end}$

$\text{reset\_module\_data} \xrightarrow{\text{reset\_to\_stable}} \text{end}$

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